FORM PTO-1449 U.S. Department of Commerce ASTY. DOCKET NO: SERIAL NO.: Patent and Trademark Office **60**.1511 10/665,134 APPLICANT: **EXAMINER:** INFORMATION DISCLOSURE STATEMENT DEMANDE SINHA, Bikash K. BY APPLICANT FILING DATE: GROUP: (Use several sheets if necessary) September 18, 2003 3672 U.S. PATENT DOCUMENTS Exam Document Sub-Filing date if Number Init Date Name Class class appropriate 03/05/02 6,351,991 Sinha 73 152.01 06/05/00 Al 11/17/98 5,838,633 Sinha 367 31 01/27/97 FOREIGN PATENT DOCUMENTS Exam Document Sub-**Translation** Init. Number Date Country Class class OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) Esmersoy, C. et al. Dipole Shear Anisotropy Logging. 64th Ann. Internat. Mtg., Soc. Espl. Geophys., Expanded Abstracts, pp. 1139-1142 (1994). Harrison, A. R. et al. Acquisition and Analysis of Sonic Waveforms from a Borehole Monopole and Dipole Source for the Determination of Compressional and Shear Speeds and their Relation to Rock Mechanical Properties and Surface Seismic Data. Paper SPE 20557, SPE Annual Tech. Conf and Exhibition (Sept. 23-26, 1990). Hottman, C. E. et al. Estimation of Formation Pressures from Log-Derived Shale Properties. J. Pet. Tech, Vol. 17, No. 6, pp. 717-722 (1965). Kimball, C. V. et al. Semblance Processing of Borehole Acoustic Array Data. Geophysics, Vol. 49, Sec. 3, pp. 274-281 (1984). Matthews, W. R. et al. How to Predict Formation Pressure and Fracture Gradient from Electric and Sonic Logs. The Oil and Gas Journal, pp. 92-106 (1967). 6 Moore, P. L. Drilling Practices Manual. The Petroleum Publishing Co., pp. 269-326 (1974).7 Mueller, M. et al. Case Studies of the Dipole Shear Anisotropy Log. 64th Ann. Internat. Mtg., Soc. Expl. Geophys., Expanded Abstracts, pp. 1143-1146 (1994). Norris, A. N. et al. Acoustoelasticity of Solid/Fluid Composite Systems. Geophys. J. Int., Vol. 118, pp. 439-446 (1994). Nur, et al. An Exact Effective Stress Law for Elastic Deformation of Rock with Fluids. J. of Geophys. Res., Vol. 76, pp. 6414-6419 (1971). 10 Sinha, B. K. et al. Case History Dipole Dispersion Crossover and Sonic Logs in a Limestone Reservoir. Geophysics Vol. 65, No. 2 (Mar-Apr 2000) pp. 390-407. 11 Sinha, B. K. Elastic Waves in Crystals Under a Bias. Ferroelectrics, Vol. 41, pp. 61-73 12 Sinha, B. K. et al. Stress-induced Azimuthal Anisotropy in Borehole Flexural Wayes. Geophysics, Vol. 61, Sec. 6, pp. 1899-1907, (1996). 13 Sinha, B. K. Sensitivity and Inversion of Borehole Flexural Dispersions for Formation Parameters. Geophysical Journal International, Vol. 128(1), pp. 84-96 (January 1997). 14 Thurston, R. N. et al. Third-Order Elastic Constants and the Velocity of Small Amplitude Elastic Waves in Homogeneous Stressed Media. Phys. Rev., Vol. 133, A1604-A1610 15 Walsh. The Effects of Cracks on The Compressibility of Rocks. J. of Geophys. Res., Vol. 70, pp. 381 (1965). DATE CONSIDERED 812005 EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609: Draw line through citation if

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